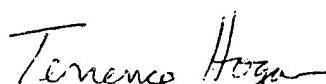


0-1	PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)
1	The undersigned applicant(s)	HOGAN, Terrence; RADEMACHER, Christine; HERGENROTHER, William; LAWSON, David
1-1-1	hereby appoints (appoint) the following person	VASUTA, John; PALMER, Meredith; KROGH, Timothy Bridgestone Americas Holding, Inc. 1200 Firestone Parkway Akron, OH 44317 United States of America
1-1-2	hereby appoints (appoint) the following person	REGINELLI, Arthur Renner, Kenner, Greive, Bobak, Taylor & Weber 4th Floor First National Tower Akron, OH 44308 United States of America
1-1-3	hereby appoints (appoint) the following person	BOBAK, Donald Renner, Kenner, Greive, Bobak, Taylor & Weber 4th Floor First National Tower Akron, OH 44308 United States of America
1-1-4	hereby appoints (appoint) the following person	DRENSKI, Tama Renner, Kenner, Greive, Bobak, Taylor & Weber Fourth Floor First National Tower Akron, OH 44308 United States of America
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of the invention	FUNCTIONALIZED POLYMERS AND IMPROVED VULCANIZATES THEREFROM
1-4-2	Applicant's or agent's file reference	P02039WO2A
1-4-3	International application number (if already available)	PCT/US03/27081

1-4-4	filed with the following Office as receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)
1-5	and to make or receive payments on behalf of the undersigned.	
2-2	Signature of applicant	
2-2-1	Name	HOGAN, Terrence
3	Date	11/10/2003
2-3	Signature of applicant	
2-3-1	Name	RADEMACHER, Christine
3	Date	NOV. 10, 2003
2-4	Signature of applicant	
2-4-1	Name	HERGENROTHER, William
3	Date	Nov 10, 2003
2-5	Signature of applicant	
2-5-1	Name	LAWSON, David
3	Date	NOV. 10, 2003

PCT POWER OF ATTORNEY

0-1	PCT Power of Attorney international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)	
0-1-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)
1	The undersigned applicant(s) BRIDGESTONE CORPORATION	
1-1-1	hereby appoints (appoint) the following person	VASUTA, John; PALMER, Meredith; KROGH, Timothy Bridgestone Americas Holding, Inc. 1200 Firestone Parkway Akron, OH 44317 United States of America
1-1-2	hereby appoints (appoint) the following person	REGINELLI, Arthur Renner, Kenner, Greive, Bobak, Taylor & Weber 4th Floor First National Tower Akron, OH 44308 United States of America
1-1-3	hereby appoints (appoint) the following person	BOBAK, Donald Renner, Kenner, Greive, Bobak, Taylor & Weber 4th Floor First National Tower Akron, OH 44308 United States of America
1-1-4	hereby appoints (appoint) the following person	DRENSKI, Tama Renner, Kenner, Greive, Bobak, Taylor & Weber Fourth Floor First National Tower Akron, OH 44308 United States of America
1-2	as	agent
1-3	to represent the undersigned before	all the competent International Authorities
1-4	in connection with the international application identified below:	
1-4-1	Title of the invention	FUNCTIONALIZED POLYMERS AND IMPROVED VULCANIZATES THEREFROM
1-4-2	Applicant's or agent's file reference	P02039WO2A
1-4-3	International application number (if already available)	PCT/US03/27081
1-4-4	filed with the following Office as receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)
1-5	and to make or receive payments on behalf of the undersigned.	
2-1	Signature of applicant	<i>John M. Vasuta</i>
2-1-1	Name	BRIDGESTONE CORPORATION
2-1-2	Name of signatory	John M. Vasuta
2-1-3	Capacity	Chief I.P. Counsel/Secretary (Asst.)
3	Date	

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.07.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant) United States Patent and Trademark Office (USPTO) (RO/US)	
0-7	Applicant's or agent's file reference P02039WO2A	
I	Title of invention FUNCTIONALIZED POLYMERS AND IMPROVED VULCANIZATES THEREFROM	
II	Applicant	
II-1	This person is: applicant only	
II-2	Applicant for	
II-4	Name	
II-5	Address: BRIDGESTONE CORPORATION 10-1, Kyobashi 1-Chome Chuo-Ku, Tokyo 104 Japan	
II-6	State of nationality JP	
II-7	State of residence JP	
II-8	Telephone No. 330-379-6850	
II-9	Facsimile No. 330-379-4064	
III-1	Applicant and/or inventor	
III-1-1	This person is: applicant and inventor	
III-1-2	Applicant for US only	
III-1-4	Name (LAST, First) HOGAN, Terrence	
III-1-5	Address: 557 Westminster Circle Akron, OH 44319 United States of America	
III-1-6	State of nationality US	
III-1-7	State of residence US	

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III-2	Applicant and/or inventor	
III-2-1	This person is:	
III-2-2	Applicant for	
III-2-4	Name (LAST, First)	
III-2-5	Address:	
III-2-6	State of nationality	
III-2-7	State of residence	
III-3	Applicant and/or inventor	
III-3-1	This person is:	
III-3-2	Applicant for	
III-3-4	Name (LAST, First)	
III-3-5	Address:	
III-3-6	State of nationality	
III-3-7	State of residence	
III-4	Applicant and/or inventor	
III-4-1	This person is:	
III-4-2	Applicant for	
III-4-4	Name (LAST, First)	
III-4-5	Address:	
III-4-6	State of nationality	
III-4-7	State of residence	
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	
IV-1-2	Address:	
IV-1-3	Telephone No.	
IV-1-4	Facsimile No.	
IV-2	Additional agent(s)	
IV-2-1	Name(s)	

III-2-1: applicant and inventor
 III-2-2: US only
 III-2-4: RADEMACHER, Christine
 III-2-5: 714 Hearthstone Circle
 Akron, OH 44320
 United States of America
 III-2-6: US
 III-2-7: US

 III-3-1: applicant and inventor
 III-3-2: US only
 III-3-4: HERGENROTHER, William
 III-3-5: 195 Dorchester Road
 Akron, OH 44313
 United States of America
 III-3-6: US
 III-3-7: US

 III-4-1: applicant and inventor
 III-4-2: US only
 III-4-4: LAWSON, David
 III-4-5: 11621 Garden Lane NW
 Uniontown, OH 44685
 United States of America
 III-4-6: US
 III-4-7: US

 IV-1: agent
 IV-1-1: VASUTA, John
 IV-1-2: Bridgestone Americas Holding, Inc.
 1200 Firestone Parkway
 Akron, OH 44317
 United States of America
 IV-1-3: 330-379-6850
 IV-1-4: 330-379-4064

 IV-2: additional agent(s) with same address as first named agent
 IV-2-1: PALMER, Meredith; KROGH, Timothy

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IV-3	Additional agent(s)	agent
IV-3-1	Name (LAST, First)	REGINELLI, Arthur
IV-3-2	Address:	4th Floor First National Tower Akron, OH 44308
IV-3-3	Telephone No.	United States of America 330-761-6664
IV-3-4	Facsimile No.	330-376-9646
IV-4	Additional agent(s)	agent
IV-4-1	Name (LAST, First)	BOBAK, Donald
IV-4-2	Address:	4th Floor First National Tower Akron, OH 44308
IV-4-3	Telephone No.	United States of America 330-376-1242
IV-4-4	Facsimile No.	330-376-9646
IV-5	Additional agent(s)	agent
IV-5-1	Name (LAST, First)	DRENSKI, Tama
IV-5-2	Address:	Fourth Floor First National Tower Akron, OH 44308
IV-5-3	Telephone No.	United States of America 330-376-1242
IV-5-4	Facsimile No.	330-376-9646
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	EP: DE FR IT and any other State which is a Contracting State of the European Patent Convention and of the PCT (except AT BE BG CH&LI CY CZ DK EE ES FI GB GR HU IE LU MC NL PT RO SE SI SK TR)
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	JP US

V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	30 August 2002 (30.08.2002)	
VI-1-2	Number	60/453,693	
VI-1-3	Country	US	
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI - 1	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	30	-
IX-3	Claims	3	-
IX-4	Abstract	1	EZABST00.TXT
IX-5	Drawings	0	-
IX-7	TOTAL	39	

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	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	REGINELLI, Arthur	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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